

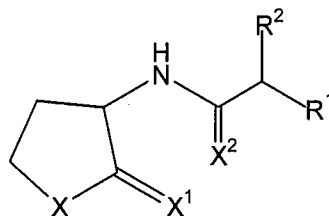
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1.-108. (Canceled).

109. (Currently amended) A compound having the structure:



(I)

wherein,

R^1 is a member selected from hydrogen, -OH, and (=O);

R^2 is a member selected from reactive functional groups, ~~alkyl groups terminally substituted with a reactive functional group and internally substituted alkyl groups terminally substituted with a reactive functional group wherein said alkyl groups an alkyl group terminally substituted with a reactive functional group and said internally substituted alkyl groups terminally substituted with a reactive functional group are substituted with a~~ wherein the reactive functional group which is a member selected from -OR³, -NHR⁴, -COR⁵, -SH and -CH₂X³ wherein,

-OR³ is a member selected from hydroxyl, alkyl sulfonate, aryl sulfonate, and a species such that -OR³ is a leaving group reactive under relatively mild conditions;

R^4 is a member selected from hydrogen, C₁-C₆ alkyl, C₁-C₆ substituted alkyl, aryl and substituted aryl groups;

R^5 is a member selected from hydrogen, X^3 and $-OR^6$, wherein R^6 is a member selected from hydrogen, and a species such that $-OR^6$ is a leaving group reactive under relatively mild conditions; and

X^3 is a halogen;

X is $-NH-$; and

X^1 and X^2 are members independently selected from O and S.

110. - 111. (Canceled).

112. (Previously presented) The compound according to claim 109, wherein the compound is a single stereoisomer.

113. (Currently amended) The compound according to claim 109, wherein the alkyl ~~and the internally substituted alkyl groups are members group~~ is selected from C_1-C_{20} saturated straight-chain, C_1-C_{20} saturated branched-chain, C_1-C_{20} unsaturated straight-chain, and C_1-C_{20} unsaturated branched-chain alkyl ~~and internally substituted alkyl groups~~.

114. (Currently amended) The compound according to claim 113, wherein the alkyl ~~and internally substituted alkyl groups are members group~~ is selected from C_5-C_{10} saturated straight-chain, C_5-C_{10} saturated branched-chain, C_5-C_{10} unsaturated straight-chain, and C_5-C_{10} unsaturated branched-chain alkyl ~~and internally substituted alkyl groups~~.

115. - 119. (Canceled).

120. (Previously presented) The compound according to claim 109, wherein R^6 is a member selected from alkyl, substituted alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocyclyl and substituted heterocyclyl groups.

121. (Previously presented) A compound according to claim 109, wherein R^2 has the structure:



wherein,

R⁷ is a reactive functional group; and

n is a number from 1 to 20, inclusive.

122. (Previously presented) The compound according to claim 121, wherein n is a number from 2 to 9, inclusive.

123. (Canceled).

124. (Previously presented) The compound according to claim 121, wherein R⁷ is a member selected from -COOH, -OH, -NH₂, and -SH.